invoking an action that belongs to one of a plurality of categories, the plurality of categories including needing one object, needing more than one object, and needing no object; and

describing each of the plurality of objects utilizing an object recognition scheme, the object recognition scheme providing a description of each object of the plurality of objects, the description allowing a determination of whether an object described by the description fits an application programming interface.

9.   (Amended) A computer comprising:'

a processor;

a computer-readable medium; and

an asynchronous programming environment executed by the processor from the medium, the environment comprising:

a dynamic object storage scheme for storing a plurality of objects;

a dynamic dispatch scheme based on events from at least one of the plurality of objects, for invoking an action that belongs to one of a plurality of categories, the plurality of categories including needing one object, needing more than one object, and needing no object; and

an object recognition scheme, for providing a description of each object of the plurality of objects, the description allowing a determination of whether an object described by the description fits an application programming interface.

14.   (Amended) A computer-readable medium having a computer program stored thereon for execution on a computer, the computer program providing an asynchronous programming environment comprising:

a dynamic object storage scheme for storing a plurality of objects;

a dynamic dispatch scheme based on events from at least one of the plurality of objects for invoking an action that belongs to one of a plurality of categories, the plurality of categories including needing one object, needing more than one object, and needing no object; and

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an object recognition scheme for providing a description of each object of the plurality of objects, the description allowing a determination of whether an object described by the description fits an application programming interface.

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